0590



#3

OIPE

RAW SEQUENCE LISTING DATE: 01/31/2002 PATENT APPLICATION: US/09/908,992 TIME: 15:55:08

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Output Set: N:\CRF3\01312002\I908992.raw

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	35 37 38	cgc Arg		Leu					Gly	acc	1 ccg	cgg	ctg	ccg Pro	5 gct	ata	tcg	100
-	35 37 38 39	Arg '	Trp	Leu 10	Leu	Val	Val	Val	Gly 15	acc Thr	1 ccg Pro	cgg Arg	ctg Leu	ccg Pro 20	5 gct Ala	ata Ile	tcg Ser	
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	35 37 38 39 41 42 43 45 55 55 55 57 58 59 61	ggt agc	Trp aga Arg 25 cgc Arg ccc Pro aaa Lys ttg Leu	Leu 10 ggg Gly aag Lys cga Arg cat His gcc Ala 90 cag	Leu gcc Ala ctg Leu gcg Ala aac Asn 75 aaa Lys aaa	cgg Arg agc Ser ctg Leu 60 cct Pro	val ccg Pro gtc val 45 ctg Leu ttc Phe gat Asp	CCC Pro 30 CCC Pro aca Thr att Ile tat Tyr aag	Gly 15 agg Arg gcc Ala ttg Leu tgt Cys tat Tyr 95 aaa	acc Thr gag Glu ttt Phe aga Arg act Thr 80 cag Gln	1 ccg Pro ggc Gly gcg Ala cct Pro 65 gcc Ala ata Ile tat	cgg Arg gtg Val tct Ser 50 ggt Gly tcc Ser tta Leu	ctg Leu gtg Val 35 tcc Ser gtc Val ttc Phe gga Gly	ccg Pro 20 ggg Gly ctg Leu agc Ser cac His yal 100 ctt	5 gct Ala gca Ala acc Thr ctt Leu acg Thr 85 cct Pro	ata Ile tgg Trp tct Ser aca Thr 70 agt Ser cga Arg	tcg Ser ctg Leu tgc Cys 55 gga Gly gcc Ala aat Asn	148 196 244 292

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/908,992

DATE: 01/31/2002 TIME: 15:55:08

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Output Set: N:\CRF3\01312002\I908992.raw

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66	Tyr	His	Pro	Asp	Thr	Asn	Lys	Asp	Asp	${\tt Pro}$	Lys	Ala	Lys	Glu	Lys	Phe	
67	120					125					130				•	135	
69	tcc	cag	ctg	gca	gaa	gcc	tat	gag	gtt	ttg	agt	gat	gag	gtg	aag	agg	484
70	Ser	Gln	Leu	Ala	Glu	Ala	Tyr	Glu	Val	Leu	Ser	Asp	Glu	Val	Lys	Arg	
71					140					145					150		
73	aag	cag	tac	gat	gcc	tac	ggc	tct	gca	ggc	ttc	gat	cct	ggg	gcc	agc	532
				Asp													
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				His													
79	-		170			-	-	175	-	-			180	_			
81	gag	ctq	ttc	agg	aaq	atc	ttt	ggc	gag	ttc	tca	tcc	tct	tca	ttt	gga	628
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83		185		,	-		190	•				195				-	
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		_	_	Thr													
95				235	-1-		· · · · · ·	- 4 -	240	•	-	-		245		-	
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99		-1-	250	V		-1-		255	-1-	1	1		260				
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																Gly	
103		265		- 0-1			270		5			275			, -1-	1	
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																Ala	
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																Ile	
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119			330				. 0111	335					340	-	,	0-1	
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				His													
123		345			501		350					355			u		
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Output Set: N:\CRF3\01312002\1908992.raw

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                                         385
133 ggc atc ccc cgg att aac agc tac ggc tac gga qac cac tac atc cac
                                                                        1252
134 Gly Ile Pro Arg Ile Asn Ser Tyr Gly Tyr Gly Asp His Tyr Ile His
135
                395
                                     400
137 atc aag ata cga gtt cca aag agg cta acg agc cgg cag cag agc ctg
                                                                       1300
138 Ile Lys Ile Arg Val Pro Lys: Arg Leu Thr Ser Arg Gln Gln Ser Leu
139
                          .
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                      . . .
                                 415
141 atc ctg agc tac gcc gag gac gag aca gat gtg gag ggg acg gtg aac
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142 Ile Leu Ser Tyr Ala Glu Asp Glu Thr Asp Val Glu Gly Thr Val Asn
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									aga Arg 25								96
			-				_	_	cgc Arg	_	_		-		-		144
									ccc Pro								192
			_	_					aaa Lys						_		240
									ttg Leu								288
									agc Ser 105								336
237 238	Tyr	Tyr	Gln 115	Leu	Ala	Lys	Lys	Tyr 120	cac His	Pro	Asp	Thr	Asn 125	Lys	Asp	Asp	384
									cag Gln								432
245				-		_		_	cag Gln		-	_				_	480
									tcc Ser								528
									ctg Leu 185								576
									ttc Phe								624
									ttc Phe								672
	Asn								atg Met								720
268 269 270	ggc Gly	aag Lys	ggg Gly	aac Asn	gag Glu 245	ccc Pro	ggc Gly	acc Thr	aag Lys	gtg Val 250	cag Gln	cat His	tgc Cys	cac His	tac Tyr 255	tgt Cys	768
272	ggc	ggc	tcc	ggc	atg	gaa	acc	atc	aac	aca	ggc	cct	ttt	gtg		cgt	816

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277	Ser	Thr	Cvs	Ara	Arg	Cve	Glv	990 61v	Ara	614	Cor	Tla	Tlo	ala Tlo	Cor	Dro	864
278		1111	.275		my	Cys	GLY	280		GTA	361	116	285	TIE	261	PIO	
		ata			agg	ασa	пса			000	220	020		220		at a	010
					Arg:												912
282		290	141	C _f S	rir g	GLY	295	GIY	GIII	Αια	цуз	300	пуэ	пуз	AIG	Val	
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285	Met	Ile	Pro	Val	Pro	Ala	Glv	Val	Glu	Asn	Glv	Gln	Thr	Val	Ara	Mot	300
	305			, – –		310	027	,	014		315	0111	1111	· u I	1119	320	
288	cct	ata	ασa	aaa	agg	-	att	ttc	att	асσ		аσσ	ata	сал	aaa		1008
289	Pro	Val	Glv	Lvs	Arg	Glu	Ile	Phe	Ile	Thr	Phe	Ara	Val	Gln	Lvs	Ser	1000
290			_	1 -	325					330		5		U	335	501	
292	cct	gtg	ttc	cqq	agg	qac	ggc	qca	qac	atc	cac	tcc	gac	ctc		at.t.	1056
293	Pro	Val	Phe	Arg	Arg	Ásp	Gly	Ãla	Asp	Ile	His	Ser	Asp	Leu	Phe	Ile	
294				340	-	_	-		345				•	350			
296	tct	ata	gct	cag	gct	ctt	ctt	ggg	gga	aca	qcc	aqa	qcc		qqc	cta	1104
297	Ser	Ile	Ala	Gln	Ala	Leu	Leu	Gly	Gly	Thr	Ăla	Arg	Ála	Gln	Gly	Leu	
298			355					360				-	365		-		•
300	tac	gag	acg	atc	aac	gtg	acg	atc	ccc	cct	ggg	act	cag	aca	gac	cag	1152
301	Tyr	Glu	Thr	Ile	Asn	Val	Thr	Ile	Pro	Pro	Gly	Thr	Gln	Thr	Asp	Gln	
302		370					375					380					
					ggt												1200
		Ile	Arg	Met	Gly		Lys	Gly	Ile	Pro		Ile	Asn	Ser	Tyr	Gly	
	385					390					395		•			400	
308	tac	gga	gac	cac	tac	atc	cac	atc	aag	ata	cga	gtt	cca	aag	agg	cta	1248
	Tyr	GIY	Asp	HIS	Tyr	He	His	He	Lys		Arg	Val	Pro	Lys	_	Leu	•
310					405					410					415		
312	Thr	cor	2 × a	Cag	cag	agc	ctg	atc	ctg	agc	tac	gcc	gag	gac	gag	aca	1296
314	1111	ser	Arg	420	Gln	ser	ьeu	ше		ser	туг	АТа	GIU		GLu	Thr	
	ma+	ata	a a a		200	~+ ~	220	~~~	425		-+-			430			1244
317	Aen.	Val	Glu	999 Glv	acg Thr	y Ly Val	Agn	Clu	y.c	mbr	CLC	mb-	agc	Con	ggt	ggc	1344
318	пър	Val	435	GLY	1111	vai	ASII	440	Val	1111	Leu	1111	445	ser	СТА	сту	
	aσc	acc		αat	agc	tcc	gca		age	aan	act	ann		a a a	aat	aaa	1392
321	Ser	Thr	Met	Asp	Ser	Ser	Δla	Glv	Cor	Lve	Δla	Ara	Ara	Glu	71a	614	1394
322		450			D 01		455		DCI	273	mu	460	nrg	GIU	niu	GLY	
324	qaq		gag	σaσ	gga	ttc		tee	aaa	ct.t.	ааσ		atα	+++	acc	tca	1440
325	Ğlu	Asp	Glu	Glu	Gly	Phe	Leu	Ser	Lvs	Leu	Lvs	Lvs	Met	Phe	Thr	Ser	1440
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		> FE															
		.> NA															
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/908,992

DATE: 01/31/2002

TIME: 15:55:09

Input Set : A:\Hmv05401.app
Output Set: N:\CRF3\01312002\I908992.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date